

Transportation Framework

Related Issues Update

September 10, 2002

RoadsMat
Oregon's FIT-Transportation
GDT Update

Roads Modeling Advisory Team (MAT)

- Administrative Aspects
- Intents (One-Stop)
- Intents (RoadsMat)
- Road Data Content Standards
- Model
- Next Steps

Administrative Aspects

- Part of the Geo-Spatial One-Stop Effort
 - Dept. of Interior, OMB
 - FGDC, ANSI
- BTS – Responsible for Transportation
 - Includes – Road, Air, Transit, Rail
- Open G(is) Consortium
 - Staff and Consultants, Technology
- RoadsMat
 - Group of Subject Area “Experts”

Intents of the GeoSpatial One-Stop

- One Web Portal to every participant's data
- Based on the *Exchange* (transfer) of data
- Common Framework Layer
- Homeland Security Driven?

Intents of RoadsMat

- Support the exchange of transportation data related to roads networks
- What are the core contents (attributes) of a segment
- Establish a baseline of contents for roads transportation db's
- Reduce costs, enhance data integration

These Data Content Standards...

- Will be approved for submittal to ANSI
- Have FGDC underpinnings
- Uses OG(is)C and ISO standards
- Implemented with a variety of software
- Will be required (?)

The Model

- Is LRS-based
 - Accommodates many distance expressions
- Event-based
 - Has a finite events list
- Accommodates geometry and topology
- TransPoint and TransSeg - based
- No rules on segmentation

Mandatory Attributes of TransSeg

- Segment id
- Status
- FieldMeasure (length)
- Positional accuracy
- inDataBaseDate
- Authority ID
- Length (length of the segment)
- Length Measure (unit type)
- End
- Begin

What Next

- Submitted to ANSI
- RoadsMat meet in October for unresolved issues
 - Resolve equivalences between data sets
 - Discuss “dividedness” issue
 - Discuss “authority id”
 - Discuss registry

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- Have reviewed a Conceptual and Physical Data Model – “All Roads (Framework) Model”
- ODOT \$ and staff used to develop it
- Complete list of Entity and Attribute Definitions
- Plan to test model in one county (ODOT)
- Present to IRICC
- Accept as the FIT-T model
- More robust than the RoadsMat Model

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- Will IRICC find it useful?
- Will it fit the user's needs (esp. Office of Emergency Management)?
- Can ODOT host and maintain the db?
- Can Washington use it?
- There is an authority ID issue.

GDT Update

- RFQ completed, sent out
- Three responses
- Selection based on lowest cost
- Three-agency participation for one year
- Off-the-shelf arrangement, 6 months updates
- 1- year “evaluation” period, renewable
- What about Census maps?